"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001858510008-5

L 8120-66
ACC NR: AP5026259

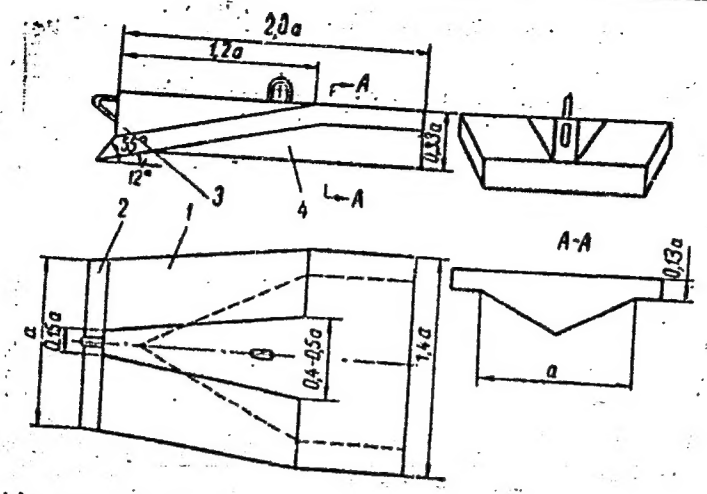



Fig. 1. Schematic of reinforced ground support of SevNIIP.
1- banked plate inclined 12 degrees to the horizontal;
2- knife with 55 degree cutting edge;
3- bracket; 4- counterweight

Orig. art. has: 2 tables, 2 graphs, and 1 photograph.

SUB CODE: GO/ SUBM DATE: none

Card 2/2

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001858510008-5"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001858510008-5

VALKOVA, A. A.

USSR/Microbiology - Medical and Veterinary Microbiology F-6

Abs Jour : Ref Zhur-Biologiya, No 1, 1957, 725

Author : A. A. Valkova
Inst :
Title : Test of the Muromtsev-Tronin Semiliquid Vaccine in Conditions of Kirgizia

Orig Pub : V ls.: Brucellez s-kh. zhivotnykh, M. Sel'khozgiz, 1955, 161-169

Abstract : The semiliquid Muromtsev-Tronin brucellosis formolvaccine tested in a number of farms of Kirgizia favorable to brucellosis was found to possess the ability to hasten the recovery of the animals. Fully grown sheep repeatedly vaccinated reacted allergically to brucellisate

Card 1/3

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001858510008-5"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001858510008-5

USSR/Microbiology - Medical and Veterinary Microbiology F-6

Abs Jour : Ref Zhur-Biologiya, No 1, 1957, 725

Abstract : with the number of animals that reacted being in direct proportion to the number of animals vaccinated. The allergic reaction completely disappeared in the majority of the cases at the beginning of the subsequent cycle of vaccination. Young stock after one cycle of vaccination did not react to allergen as a rule. Fully grown cattle following a single cycle of vaccination reacted with an agglutination reaction (RA) for a period of four to six months. In animals which were subjected to revaccination for a number of years the RA was preserved in

Card 2/3

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001858510008-5"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001858510008-5



Abs Jour : Ref Zhur-Biologiya, No 1, 1957, 725

Abstract : doubtful and sometimes in positive titers for a period of ten to twelve months, and in some animals even for longer periods of time. The semiliquid formolvaccine was harmless to cows in the final stages of pregnancy. Complications from the application of the vaccine to pregnant sheep were noted only on one farm where the sheep were vaccinated for the third time during the second half of the pregnancy period and under conditions of a severe winter.

Card 3/3

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001858510008-5"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001858510008-5

LIBERMAN, F.Ya.; VAL'KOVA, A.A.; DYLIS, K.Yu.; RYUMINA, L.A.; SOBOLEVA, G.I.; TUPOVA, V.V.; KHABUR, B.P., otv.red.; GUREVICH, G.Ye., kand.tekhn. nauk, nauchnyy red.; GOROBETS, V.A., kand.voyen.-morskikh nauk, red.; KOLODKIN, A.L., kand.yurid.nauk, red.

[Conditions for the commercial operation of the merchant marine during foreign sailing; rules, customs and practices in Japanese sea ports.] Usloviia kommercheskoi ekspluatatsii morskogo flota v zagranichnom plavanii; pravila, obychai i praktika morskikh portov IAponii. Leningrad, Izd-vo "Morskoi transport." No.10, pt.1. 1963. 90 p. (Leningrad. TSentral'nyi nauchno-issledovatel'skii institut morskogo flota, Informatsionnyi sbornik, no.93). (MIRA 17:2)

1. Sotrudnik sektora ekspluatatsii flota TSentral'noto nauchno-issledovatel'skogo instituta morskogo flota (for Liberman, Val'kova, Dylis, Ryumina, Soboleva, Tupova).

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001858510008-5"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001858510008-5

VALKOVA, G.

Giberellic acid and some pathogenic factors of Staphylococcus aureus. Folia med. (Plovdiv) 6 no.5:301-308 '64.

1. Institut de Hautes Etudes Medicales "I.P.Pavlov" de Plovdiv, Bulgarie (Directeur: prof. El. Yanev [El. Ianev]).

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001858510008-5"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001858510008-5

PEKAREK, J.; STEJSKAL, A.; KVAPILOVA, M.; technicke spoluprace VALKOVA, H.

A new method of preparing pertussis vaccine. Cesk. epidem. mikrob. imun. 10 no.5:314-322 S '61.

1. Ustav ser a ockovacich latek v Praze.
(WHOOPING COUGH immunol) (VACCINES)

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001858510008-5"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001858510008-5

VAL'KOVA, L.V.

Dynamics of some hemodynamic and biochemical indices in patients with hypertension treated with Astragalus pubiflorus. Vrach. delo no.10:14-18 O '63. (MIRA 17:2)

1. Kafedra propedevtiki vnutrennikh bolezney (zav. - prof. K.I. Stepashkina) Dnepropetrovskogo meditsinskogo instituta.

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001858510008-5"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001858510008-5

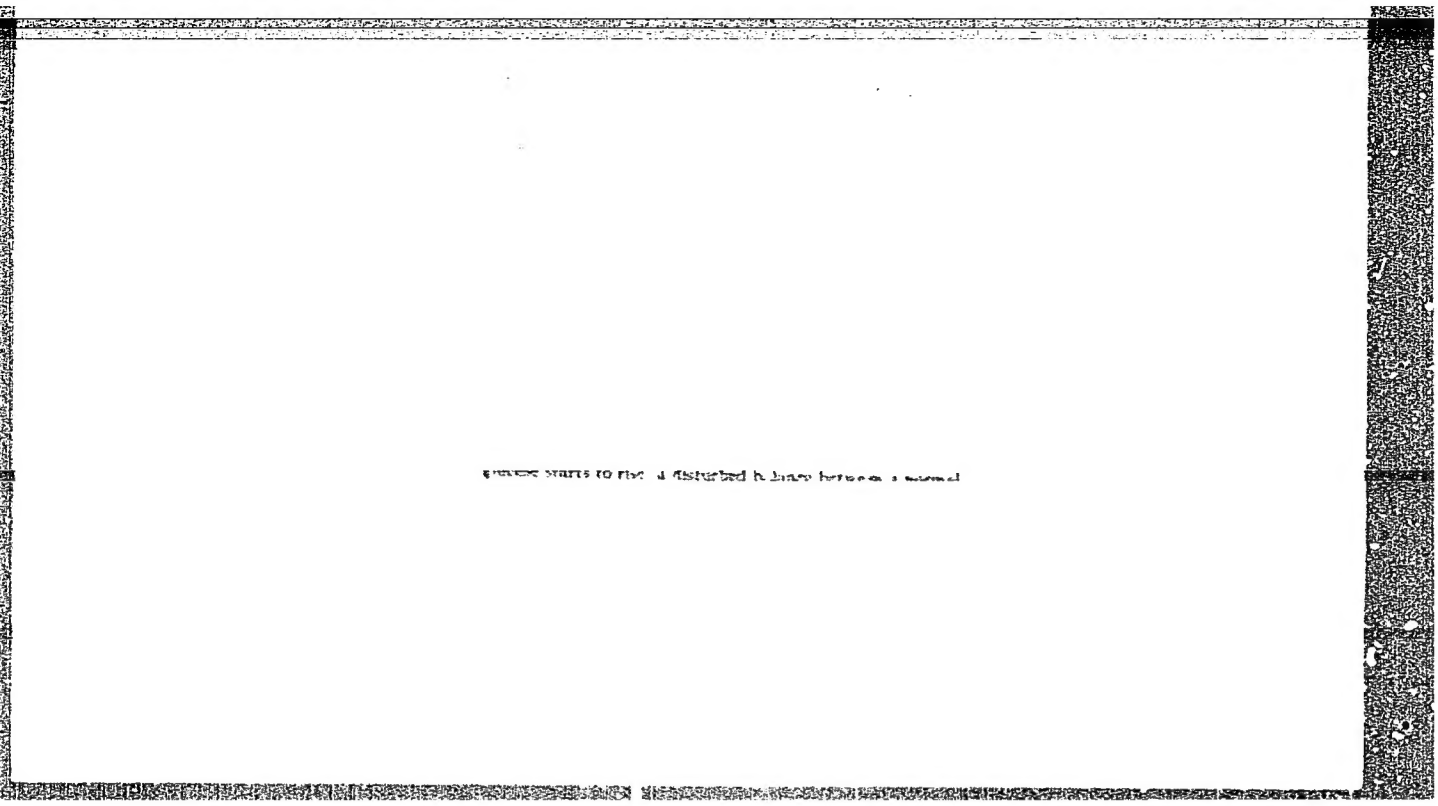
VAL'KOVA, L.V.

Capillaroscopic picture in hypertension treated with Astragalus pubiflorus. Vrach. delo no.3:131-132 Mr '64. (MIRA 17:4)

1. Kafedra propedevtiki vnutrennikh bolezney (zav. prof. K.I.Stepashkina) Dnepropetrovskogo meditsinskogo instituta.

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001858510008-5"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001858510008-5



APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001858510008-5"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001858510008-5

CHYTIL, M.; VALEK, A.; VALKOVA, M.; FIALOVA, V.; CHOLINSKY, K.

Effects of upright position on hemodynamics & renal function in glomerulonephritis. Sborn. lek. 60 no.12:361-369 Dec 58.

1. II interni klinika fakulty vseobecneho lekarstvi Karlovy university v Praze, prednosta prof. dr. Frantisek Herles.

(GLOMERULONEPHRITIS, physiol.
eff. of upright position on hemodynamics & renal funct. (Cz))
(BLOOD CIRCULATION, in various dis.
glomerulonephritis, eff. of upright position on hemodynamics (Cz))
(POSTURE, eff.
upright position on hemodynamics & renal funct. in glomerulonephritis (Cz))
(KIDNEYS, physiol.
eff. of upright position in glomerulonephritis (Cz))

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001858510008-5"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001858510008-5

FIALOVA, V.; HOBZA, A.; KRALOVA, L.; technicka spoluprace VALKOVA, M.

Relation of biochemical changes of the blood to the extent of coronary sclerosis in the autopsy material. Acta univ. carol. [med.] Suppl. 14:447-454 '61.

1. II. interni klinika fakulty vseobecneho lekarstvi University Karlovy v Praze, prednosta prof. dr. Frant. Herles Okresni ustav narodniho zdravi Praha-jih, reditel dr. J. Trnka.

(CORONARY DISEASES blood) (LIPOPROTEINS blood)
(CHOLESTEROL blood) (PHOSPHOLIPIDS blood)

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001858510008-5"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001858510008-5

VALKOVA, M.; KUBENA, K.

Metastatic ophthalmia in prostatic abscess. Cesk. oftal. 20 no.5:386-388 S '64.

1. Ocni Klinika lekarske fakulty Palackeho University v Olomouci (prednosta prof. dr. V. Vejdovsky, DrSc.).

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001858510008-5"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001858510008-5

KUBENA, K.; VASKOVA, M.; VALKOVA, M.

Free amino acids in the aqueous humor in glaucoma. Cesk. oftal. 22 no.1:3-12 Ja '66

1. Oeni klinika lekarske fakulty Palackeho University v Olomouci (prednosta: prof. dr. V. Vejdovsky, DrSc.).

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001858510008-5"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001858510008-5

OZIMOV, B.V.; VAL'KOVA, N.K.; GOLOVKINA, M.T.

Reflection spectra used in the analysis of food products.
Trudy LTIKHP 15:81-86 '58. (MIRA 13:4)

1. Predstavlena Kafedroy neorganicheskoy i analiticheskoy khimii Leningradskogo tekhnologicheskogo instituta kholodil'noy promyshlennosti.
(Food--Spectra)

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001858510008-5"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001858510008-5

VAL'KOVA, N.K.

OZIMOV, B.V., kand. tekhn. nauk; VAL'KOVA, N.K., insh.; GOLOVKINA, M.T., kand. tekhn. nauk.

Reflection spectra of solid fats. Masl.-zhir. prom. 24 no.2:10-11 '58. (MIRA 11:3)

1. Leningradskiy tekhnologicheskiy institut kholodil'noy promyshlennosti.

(Oils and fats--Spectra)

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001858510008-5"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001858510008-5

BENDA, Petr, inz.; VALKOVA, Olga, inz.; KRESL, Milos

Testing the method of plant and seedling top dressing in forest nurseries. Les cas 10 no.10:869-878 O '64.

1. Institute of Scientific Management, Prague.

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001858510008-5"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001858510008-5

VALKOVA, T. V.

T. V. Valkova, Material pertaining to the activity of A. M. Butlerov in the Academy of Sciences, P. 1300.

This is a paper read September 20, 1948 at the Leningrad commission on the history of chemistry of the Academy of Sciences of the USSR in connection with the celebration of the 120th anniversary of the birth of A. M. Butlerov.

SO: Journal of Applied Chemistry (USSR) 21, No. 12 (1948)

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001858510008-5"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001858510008-5

[illegible], V.

Martinkova, V.; Valkova, V.

"A Diet With A Limited Quantity of Albumen; Addis' Diet."
p. 79. (Vysiva Lidu. Vol. 8, No. 5. May 1953, Praha.)

SO: Monthly List of East European Accessions, Vol. 2, No. 9, Library of Congress, September 1953, Uncl.

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001858510008-5"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001858510008-5

VAL'KOVA, V. I.

VAL'KOVA, V. I.: "Determination of the parameters of bucket transporters for agricultural machines." Joint Academic Council, All-Union Sci Res Inst of the Mechanization of Agriculture (VIM) and All-Union Sci Res Inst of the Electrification of Agriculture (Vieskh). Moxcow, 1956. (Dessertation For the Degree of Candidate In Technical Sciences.)

SO: Knizhnaya letopis'
No. 21, 1956. Moscow.

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001858510008-5"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001858510008-5

VAL'KOV, B.G.; KANATOV, Yu.V.; VAL'KOVA, Ye.R.

Sensitivity to the plague microbe and toxin of young susliks from various geographic regions. Sbor. nauch. rab. Elist. protivochum. sta. no. 1:85-92 '59. (MIRA 13:10)
(SUSLIKS) (PLAGUE)

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001858510008-5"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001858510008-5

VAL'KOV, B.G.; MORDVINKIN, G.I.; VAL'KOVA, Ye.R.

Observations on the preservation of tularemia infection in the natural microfocus. Sbor. nauch. rab. Elist. protivochum. sta. no. 1:239-244 '59. (MIRA 13:10)
(WEST KAZAKHSTAN PROVINCE—TULAREMIA)

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001858510008-5"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001858510008-5

VALKOVA, Zdenka

A new method for the investigation of family relationship in children. Cesk. psychiat. 55 no.4:255-263 June 59.

1. I. detska klinika pediatricke fakulty University Karlovy v Praze.
(CHILD PSYCHOLOGY)

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001858510008-5"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001858510008-5

VALKOVA, Z.; TRNKA, V.; VAVRA, J.; ZINGEROVA, O.

Cystometric examination of children with eneuresis. Cesk. pediat. 17 no.3:216-224 Mr '62.

1. I detska klinika katedry nem. pediatrie v Praze, prednosta prof. dr. J. Svejcar, DrSc.

(ENEURESIS physiol) (BLADDER physiol)

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001858510008-5"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001858510008-5

CZECHOSLOVAKIA

VALKOVA-SARMOVA, Libuse

MD

Member of the Internal Department of OUNZ, Usti n. Orlici; Director: K. KOSTA, Dr.

Prague, Prakticky Lekar, No 20, Oct 62, pp 858-861

"Acute Benign Pericarditis"

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001858510008-5"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001858510008-5

L 31033-66 EWP(v)/EWP(k)/EWP(h)/EWP(l)

ACC NR: AP6022932 SOURCE CODE: CZ/0024/66/000/001/0017/0020

AUTHOR: Valkovic, Stefan (Engineer)

ORG: Iron Works of Eastern Slovakia, Kosice (Vychodoslovenske zeleziarne)

TITLE: Surveyors activity at the erection of a rolling mill track

SOURCE: Geodeticky a kartograficky obzor, no. 1, 1966, 17-20

TOPIC TAGS: general construction, rolling mill, cold rolling, sheet metal, geodetic survey

ABSTRACT: The author describes geodesic activity of the surveyors during an erection of a thin iron sheet cold rolling mill at the Iron Works of Eastern Slovakia. The plant was built by the Czech factory Skoda of Plzen, who designed it according to a basic Russian design. The rolling mill receives sheets 500 - 1020 mm wide and 1.8 to 4.5 mm thick and produces sheets with a thickness of 0.18 to 1mm, 500 - 1020 mm wide. Rolling pressures reach up to 1800 tons, and the rolling speed is 35 m/sec. The geodesic activity consisted of the exact determination of the [illegible] dividual rollers, and an exact determination of elevations of individual points; making sure that the equipment was erected at exactly the planned position; finding of movements and of deformations; control of the maintaining of the equipment in the planned position during erection and start-up operations. This paper was presented by Engineer, Candidate of Sciences Miroslav Herda, UGK, Prague. Orig. art. has: 4 figures. [JPRS]

SUB CODE: 13, 08 / SUBM DATE: none

UDC: 528.489:621.944

Card 1/1

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001858510008-5"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001858510008-5

PAIC, V.; PAIC, M.; PRELEC, K.; CERINEO, M.; ILAKOVIC, K.; SLAUS, I.; TOMAS,P; VALKOVIC, V.; LJOLJE, K.; SIPS, V.

Review of peridoicals; physics. Bul sc Youg 9 no.4/5:126 Ag-O '64.

1. Ruder Boskovic Institute, Zagreb.

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001858510008-5"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001858510008-5

VAL'KOVICH, P.F.; MUNVEZ, N.M.

Unit for mechanical loading and weighing of cement. Suggested by P.F.Val'kovich, N.M.Munvez. Rats.i izobr.predl.v stroi. no.8:80-82 '58. (MIRA 13:3)

1. Glavnyy mekhanik stroitel'nogo tresta No.4 Ministerstva stroitel'stva BSSR (for Val'kovich). 2. Starshiy inzhener proizvodstvenno-tekhnicheskogo otdeleniya tresta No.4 Ministerstva stroitel'stva BSSR (for Munvez). Po materialam Belorusskogo respublikanskogo doma nauchno-tekhnicheskoy propagandy.
(Weighing-machines) (Cement--Transportation)

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001858510008-5"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001858510008-5

VALKOVICS, Emil, tudomanyos munkatars

How to determine the effect of demographic conditions on the consumption of population? Stat szemle 41 no.10/11: 1008-1015 O-N '63.

1. Nepessegtudomanyi Kutato Csoport.

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001858510008-5"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001858510008-5

VAL'KOVSKAYA, I.V.

Applying the phenomenon of color permanence in pattern coloration of fabrics. Izv.vys.ucheb.zav.; tekh.tekst.prom. no.1:174-175 '62. (MIRA 15:3)

1. Moskovskiy tekstil'nyy institut.
(Color in textile industries)

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001858510008-5"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001858510008-5

KALANTAYEVSKAYA, A.A.; TAYBAGAROV, S.Ye.; VAL'KOVSKAYA, L.S.

Change in the microflora of tonsils under the influence of conservative treatment. Zdrav. Kazakh. 23 no.2: 67-69 '63.
(MIRA 16:10)

1. Iz Kazakhskogo instituta epidemiologii, mikrobiologii i gigiyeny i kafedry bolezney ukh, gorla i nosa (zav. - prof. B.V.Yelantsev) Kazakhskogo meditsinskogo instituta. (Nauchnyy rukovoditel' - prof. Kh.ZH.Zhumatov).
(TONSILS--MICTOBIOLOGY)

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001858510008-5"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001858510008-5

BOYARSKAYA, Yu.S.; VAL'KOVSKAYA, M.I.; TSUKERBLAT, B.S.

Effect of elastic spring-back on the shape of indents made in microhardness measurements. Uch. zap. Kish. un. 49:32-38 '61. (MIRA 15:7)

(Strength of materials--Measurement) (Elasticity)

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001858510008-5"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001858510008-5

BOYARSKAYA, Yu.S.; VAL'KOVSKAYA, M.I.

Hardness rosettes and shape of dents on cubic crystals. Kristallografiia 7 no.2:261-265 Mr-Ap '62. (MIRA 15:4)

1. Kishinevskiy gosudarstvennyy universitet.
(Crystallography) (Hardness)

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001858510008-5"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001858510008-5

BOYARSKAYA, Yu.S.; VAL'KOVSKAYA, M.I.

Relation between the elastic recovery of indentations and the microhardness of a substance. Izv. AN Mold. SSR no.5:78-82 '62. (MIRA 18:3)

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001858510008-5"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001858510008-5

S/032/62/028/012/014/023
B126/B186

AUTHORS: Boyarskaya, Yu. S., Val'kovskaya, M. I., and Savel'yev, N. T.

TITLE: Direct method of measuring the elastic recovery of imprints on transparent materials in microhardness tests

PERIODICAL: Zavodskaya laboratoriya, v. 28, no. 12, 1962, 1494 - 1495

TEXT: For this purpose the authors developed and constructed a device for applying test loads to the diamond indenter mounted on the support of a metallographic microscope, type МИМ-7 (MIM-7). The device consists of a diamond pyramid which, under a specific load, can be indented into a sample of transparent material placed on the microscope stage. The pyramid can be adjusted vertically and focused in the center of the field of view. The elastic recovery is ascertained by measuring the imprint first under the test load, i.e. when the pyramid has been lowered correspondingly, and then when the same has been lifted. In specific measurements carried out on glass specimens, the following test values were measured or calculated: $b_0$, the dimension of the unrecovered imprint side; b, the dimension of the recovered imprint side; $\Delta b_0 = b_0 - b$, the elastic recovery of the imprint

Card 1/2

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001858510008-5"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001858510008-5



side. To reduce errors in measurement it is recommended that the imprint measurements should be numerous. The number of imprints n that have the same $b_o$ depends on $\Delta b_o$. If the dependence of n on $\Delta b_o$ is plotted, the peak value of n can be read off the curve and corresponds to the most probable value of elastic recovery. For example, an elastic recovery of 3.8μ was obtained for a specimen with $b_o$ = 17.3μ. For glass specimens with $b_o$ = 11 - 17μ, $\Delta b_o$ values of 1.9 ± 0.3 to 3.0 ± 0.4μ were obtained. In addition, the device can be used for measuring the microhardness of transparent materials, as the lowering of the pyramid to the surface of the sample is easy to observe and exact setting in vertical direction is possible. Thus it is possible to measure very small imprints with no extra load applied. There are 2 figures and 1 table.

ASSOCIATION: Institut fiziki i matematiki Akademii nauk Moldavskoy SSR (Institute of Physics and Mathematics of the Academy of Sciences Moldavskaya SSR)



APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001858510008-5"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001858510008-5

S/181/63/005/002/021/051
B104/B102

AUTHORS: Boyarskaya, Yu. S., and Val'kovskaya, M. I.

TITLE: Distribution of the dislocations in the neighborhood of notches in NaCl and LiF single crystals

PERIODICAL: Fizika tverdogo tela, v. 5, no. 2, 1963, 518-523

TEXT: A study was made of the dislocation distributions in the neighborhood of notches that had been applied to the (001) planes of NaCl and LiF single crystals in the [100] and [110] directions by means of a diamond pyramid. For this purpose selective etching was employed. The NaCl crystals were etched with solutions of $CdCl_2$ in ethyl alcohol, the LiF crystals with solutions of $FeCl_3$ in ethyl alcohol. Results: Dislocation regions are formed on the (001) planes of both single crystals as a result of the application of the notches. Although the width of the notches that were obtained by applying a certain load to the diamond becomes wider when they had the [100] direction than when they had the [110] direction, the width of the dislocation regions in the former was

Card 1/2

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001858510008-5"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001858510008-5



narrower than that of the latter. "Beards" of two series of loop dislocations are formed around the notches lying in the [110] direction. There are 4 figures and 2 tables.

ASSOCIATION: Institut fiziki i matematiki AN MSSR, Kishinev
(Institute of Physics and Mathematics AS MSSR, Kishinev)

SUBMITTED: February 20, 1962 (initially)
August 29, 1962 (after revision)

Card 2/2

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001858510008-5"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001858510008-5

BOYARSKAYA, Yu.S.; VAL'KOVSKAYA, M.I.

Studying the anisotropy of the mechanical properties of NaCl single crystals by observation of the dislocation distribution along the (111) face. Fiz. tver. tela 5 no.8:2324-2331 Ag '63. (MIRA 16:9)

1. Institut fiziki i matematiki AN Moldavskoy SSR, Kishinev.
(Dislocations in crystals)

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001858510008-5"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001858510008-5

BOYARSKAYA, Yu.S.; VAL'KOVSKAYA, M.I.

Measurement under load of the microhardness of brittle transparent materials. Zav.lab. 29 no.7:874-876 '63. (MIRA 16:8)

1. Institut fiziki i matematiki AN Moldavskoy SSR.
(Materials--Testing) (Hardness)

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001858510008-5"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001858510008-5

BOYARSKAYA, Yu.S.; VAL'KOVSKAYA, M.I.

Determination of microhardness and the study of regularities in the recovery of indentations on organic glass. Zav.lab. 30 no.4:486-488 '64. (MIRA 17:4)

1. Institut fiziki i matematiki AN Moldavskoy SSR.

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001858510008-5"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001858510008-5

ACC NR: AT6024012 SOURCE CODE: UR/0000/65/000/000/0076/0084

AUTHOR: Val'kovskaya, M. I.; Boyarskaya, Yu. S.; Zhitaru, R. P.

ORG: none

TITLE: On the nature of the anisotropy of the hardness of alkali-halide crystals

SOURCE: AN MoldSSR. Institut prikladnoy fiziki. Teoreticheskiye i eksperimental'nyye issledovaniya fizicheskikh svoystv poluprovodnikovykh materialov i drugikh kristallov (Theoretical and experimental studies on physical properties of semiconductor materials and other crystals). Kishinev, Izd-vo Kartya Moldovenyaske, 1965, 76-84

TOPIC TAGS: alkali halide, crystal dislocation phenomenon, sodium chloride, hardness, crystal surface

ABSTRACT: The authors report investigations of the distribution of dislocations around scratches made on the face (001) of NaCl in the directions [100] and [110] for the purpose of determining the planes along which slipping develops as a result of scratches in these directions. The dislocation distribution was investigated by selective etching. The scratches were produced by a standard diamond pyramid of the PMT-3 instrument. The load on the pyramid ranged from 0.5 to 5 grams. The techniques used for the distribution of the dislocations around the scratches are described in some detail. All the methods yielded similar results. It is concluded that when the scratches are produced along the [100] direction, the slip develops essentially along the planes (011) and ($0\bar{1}1$). When the scratches are made along [110], the slip occurs

Card 1/2

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001858510008-5"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001858510008-5

ACC NR: AT6024012

essentially on the (110) plane. Scratches along [100] produce a dislocation distribution similar to that obtained by striking a ball against the (001) face. The difference in hardness in the two directions is explained on the basis of the relative ease with which the slip planes are formed. Orig. art. has: 9 figures and 1 table.

SUB CODE: 20/ SUBM DATE: 25Jul65/ ORIG REF: 007/ OTH REF: 001

Card 2/2

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001858510008-5"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001858510008-5

L 06433-67 EWT(m)/EWP(t)/ETI IJP(c) JD/JG

ACC NR: AP6026710 SOURCE CODE: UR/0181/66/008/008/2475/2477

AUTHOR: Val'kovskaya, M. I.; Boyarskaya, Yu. S.

ORG: Institute of Applied Physics, AN MSSR, Kishinev (Institut prikladnoy fiziki AN MSSR)

TITLE: Revealing of dislocations and dislocation structure arising from the deformation of gallium phosphide single crystals

SOURCE: Fizika tverdogo tela, v. 8, no. 8, 1966, 2475-2477

TOPIC TAGS: gallium compound, phosphide, crystal dislocation, crystal deformation

ABSTRACT: The action of several etchants recommended in the literature for revealing dislocations on the (111) growth face of gallium phosphide single crystals is compared and it is shown that only etchant No. 3 (boiling solution of 27 g $FeCl_3$, 250 ml HCl and 350 ml water) reveals true dislocation etch pits. This was confirmed by observations of etch patterns formed on the (111) surface after its deformation with a diamond indenter and with scratches along definite crystallographic directions. The dislocation rosettes obtained around the indentations consisted of six rays along the $\langle 110 \rangle$ directions. The shape of these rosettes did not show any polarity of the $\langle 11\bar{2} \rangle$ directions. This feature distinguishes the crystals studied from cubic crystals with another lattice type, e. g., alkali halide crystals. In the latter, a concentrated force on the (111) face produces a three-ray dislocation rosette whose shape definite-

Card 1/2

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001858510008-5"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001858510008-5

L 00433-67

ACC NR: AP6026710

ly indicates the polarity of the <11$\bar{2}$> directions. One of the possible causes of this difference is probably the fact that in gallium phosphide the glide takes place on planes of a different type than in alkali halide crystals. The distribution of dislocations around the scratches clearly reflects the polarity of the <11$\bar{2}$> directions. In conclusion, the authors thank S. L. Pyshkin and Yu. I. Maksimov for providing the gallium phosphide single crystals. Orig. art. has: 2 figures.

SUB CODE: 20/ SUBM DATE: 03Jan66/ ORIG REF: 005/ OTH REF: 001

Card 2/2

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001858510008-5"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001858510008-5

YAROSHENKO, M.F.; TOMNATIK, Ye.N.; NABEREZHNYY, A.I.; VAL'KOVSKAYA, O.I.; KARLOV, V.I.

Food interrelationships of some species of fishes in Dubossary Reservoir. Trudy Inst.biol.Mold.fil.AN SSSR 2 no.1:35-68 '60. (MIRA 16:4)

(DUBOSSARY RESERVOIR--FISHES--FOOD)

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001858510008-5"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001858510008-5

NABEREZHNYY, A.I.; VAL'KOVSKAYA, O.I.; KUBRAK, I.F.; DEDYU, I.I.

Food of the lavaret from Lake Peipus introduced into Moldavian ponds. Trudy Inst. biol. Mold. fil. AN SSSR 2 no.2:59-76 '60. (MIRA 15:7)

(Moldavia—Whitefishes) (Fishes—Food)

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001858510008-5"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001858510008-5

VLADIMIROV, M.Z.; VAL'KOVSKAYA, O.I.

Materials on feeding habits of the sterlet in Dubossary Reservoir.
Izv. AN Mold. SSR no.5:41-48 '63. (MIRA 17:11)

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001858510008-5"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001858510008-5

RUZINOV, L.D.; LEBEDEV, P.A., kand. tekhn. nauk, retsenzent;
VUL'FSON, I.I., kand. tekhn. nauk, retsenzent; VAL'KOVSKIY,
A.A., kand. tekhn. nauk, red. [deceased]

[Design of mechanisms based on geometric transformations]
Proektirovanie i raschet mekhanizmov na osnove geometri-
cheskikh preobrazovanii. Moskva, Mashinostroenie, 1964.
147 p. (MIRA 17:12)

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001858510008-5"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001858510008-5

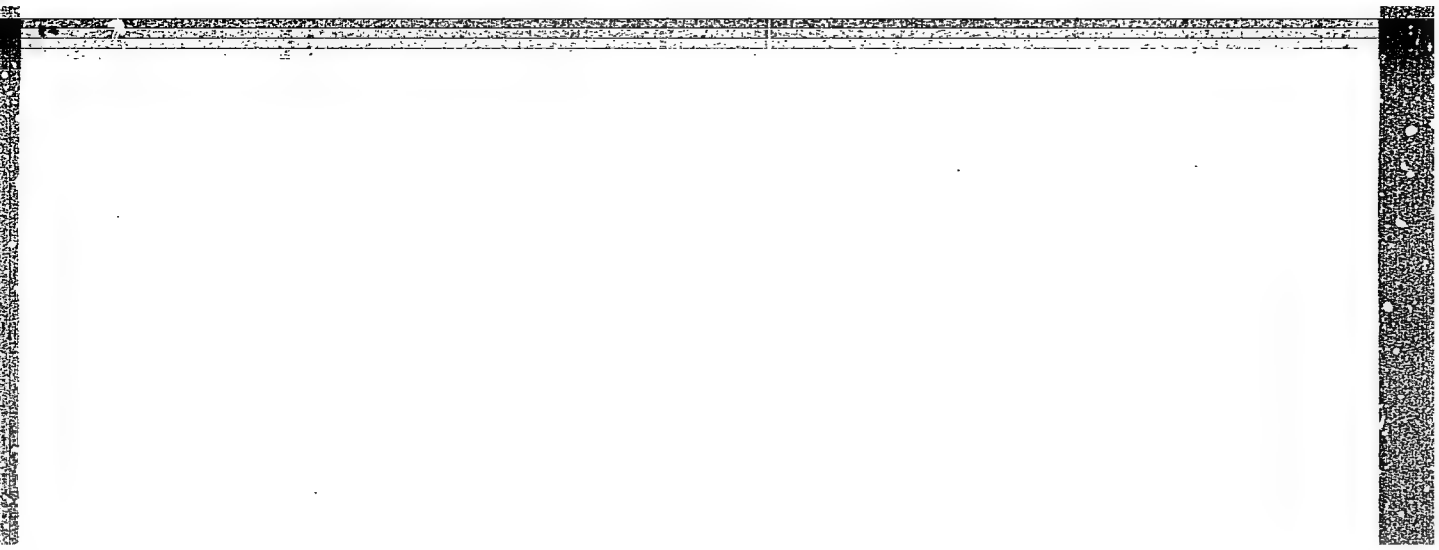
VAL'KOVSKIY, D.G.; SOSIN, S.L.; KORSHAK, V.V.

Study of tert-butyl peroxide decomposition and the reactions of radicals formed in the synthesis of polydiphenylmethylene. Izv. AN SSSR. Ser.khim. no.7:1319-1327 Jl '63. (MIRA 16:9)

1. Institut elementoorganicheskikh soyedineniy AN SSSR.
(butyl peroxide) (Polymers) (Radicals (Chemistry))

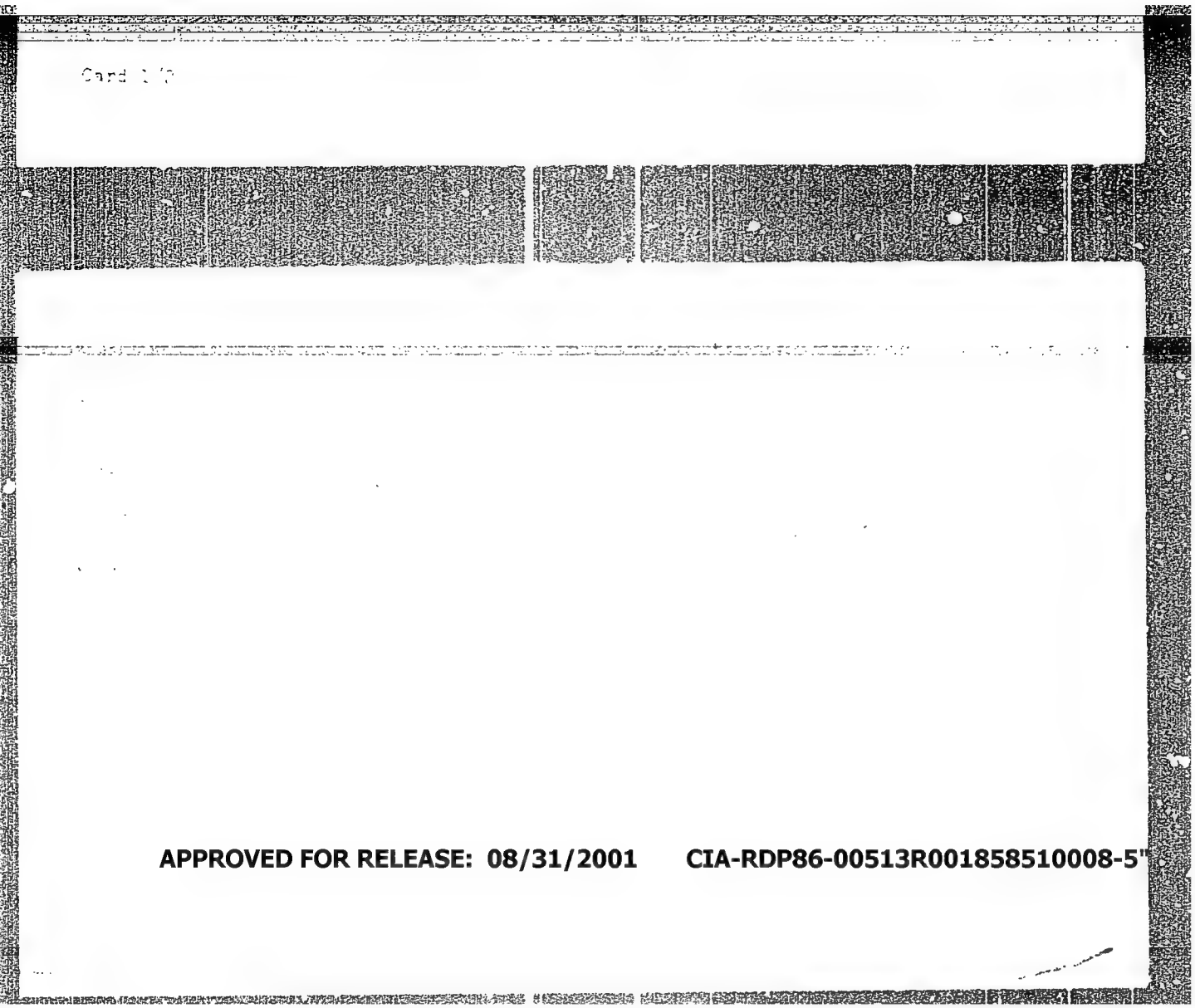
APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001858510008-5"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001858510008-5



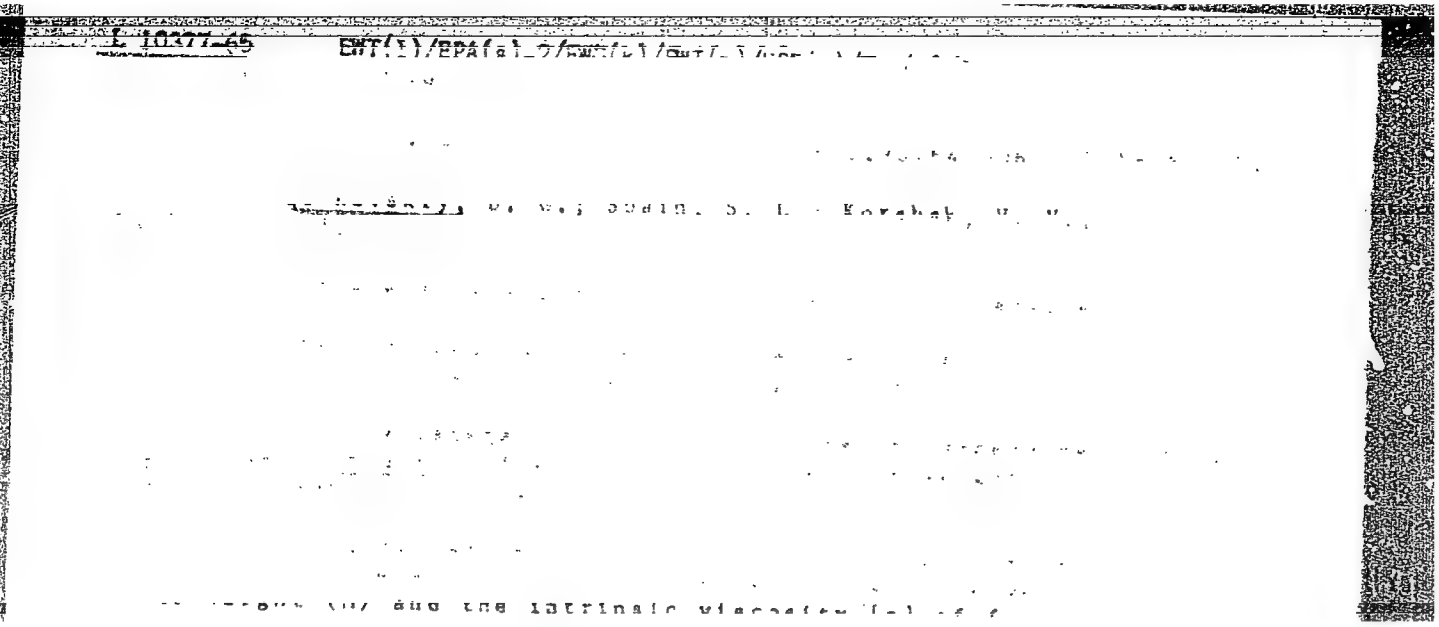
APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001858510008-5"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001858510008-5



APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001858510008-5"

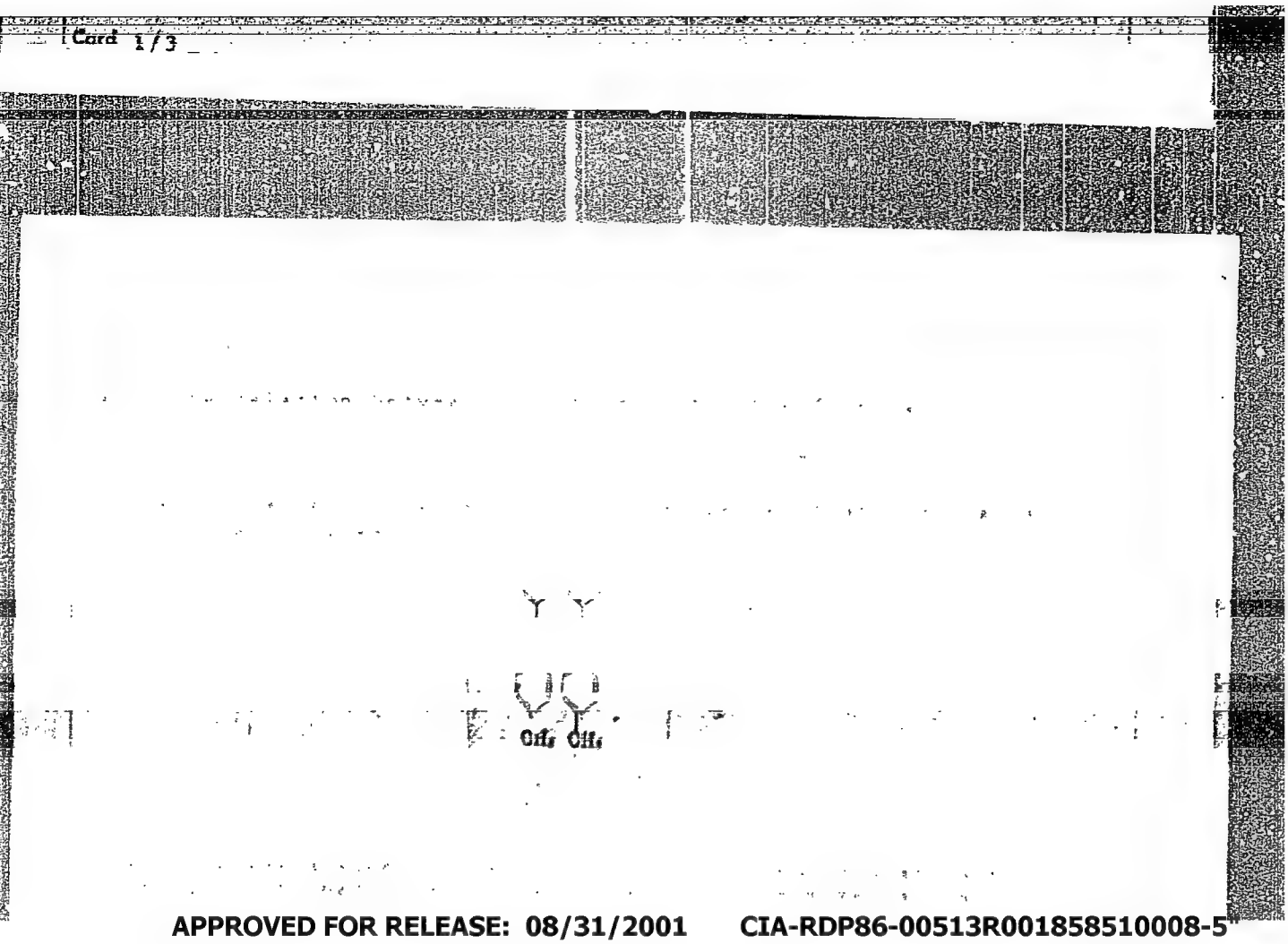
"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001858510008-5



APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001858510008-5"

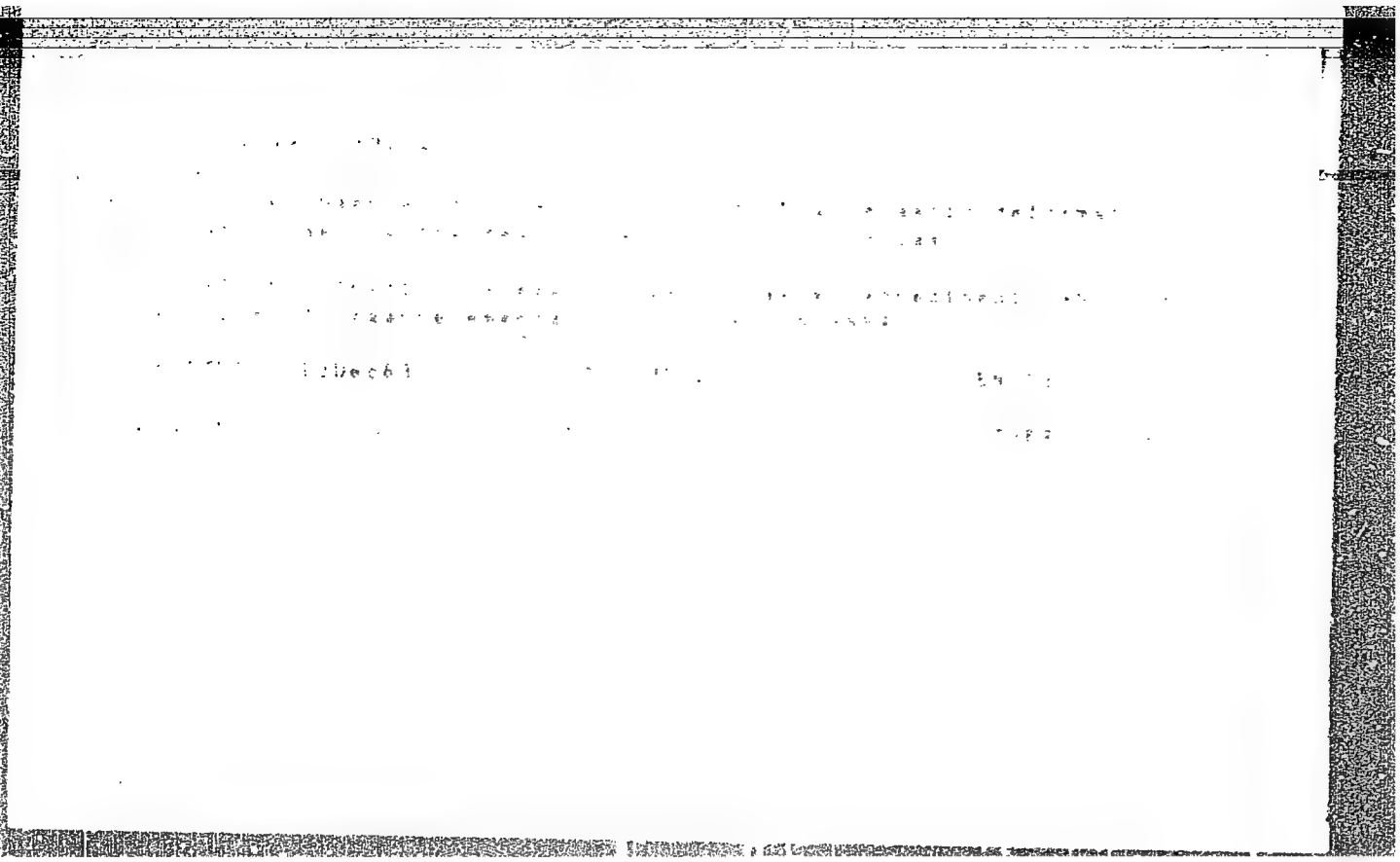
"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001858510008-5





APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001858510008-5"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001858510008-5



APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001858510008-5"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001858510008-5

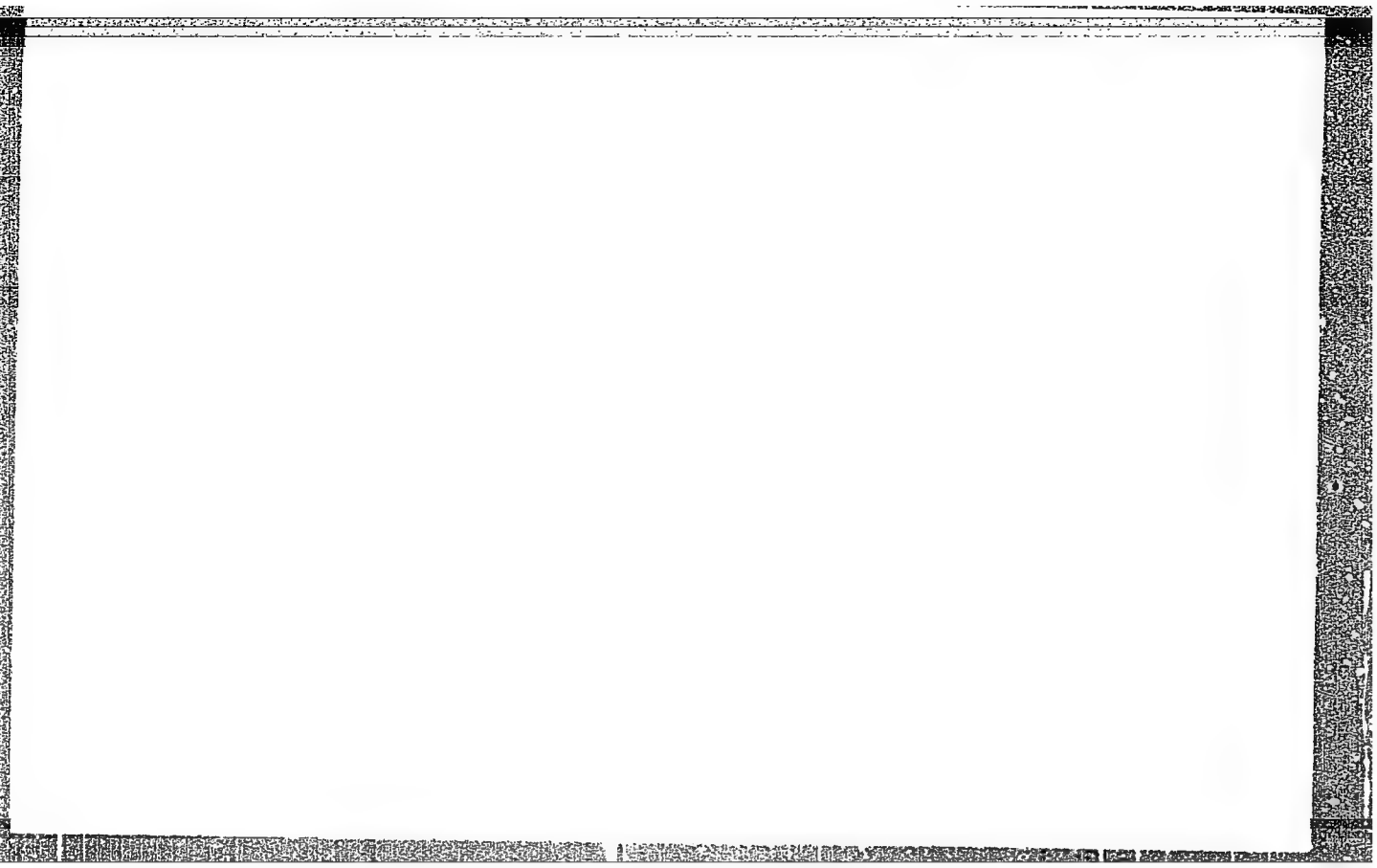
SOSIN, S. L.; KORSHAK, V. V.; VAL'KOVSKIY, D. G.

Reactivity of hydrocarbons and their derivatives in the polyrecombination reaction. Dokl. AN SSSR 155 no. 2:376-378 Mr '64. (MIRA 17:5)

1. Chlen-korrespondent AN SSSR (for Korshak).

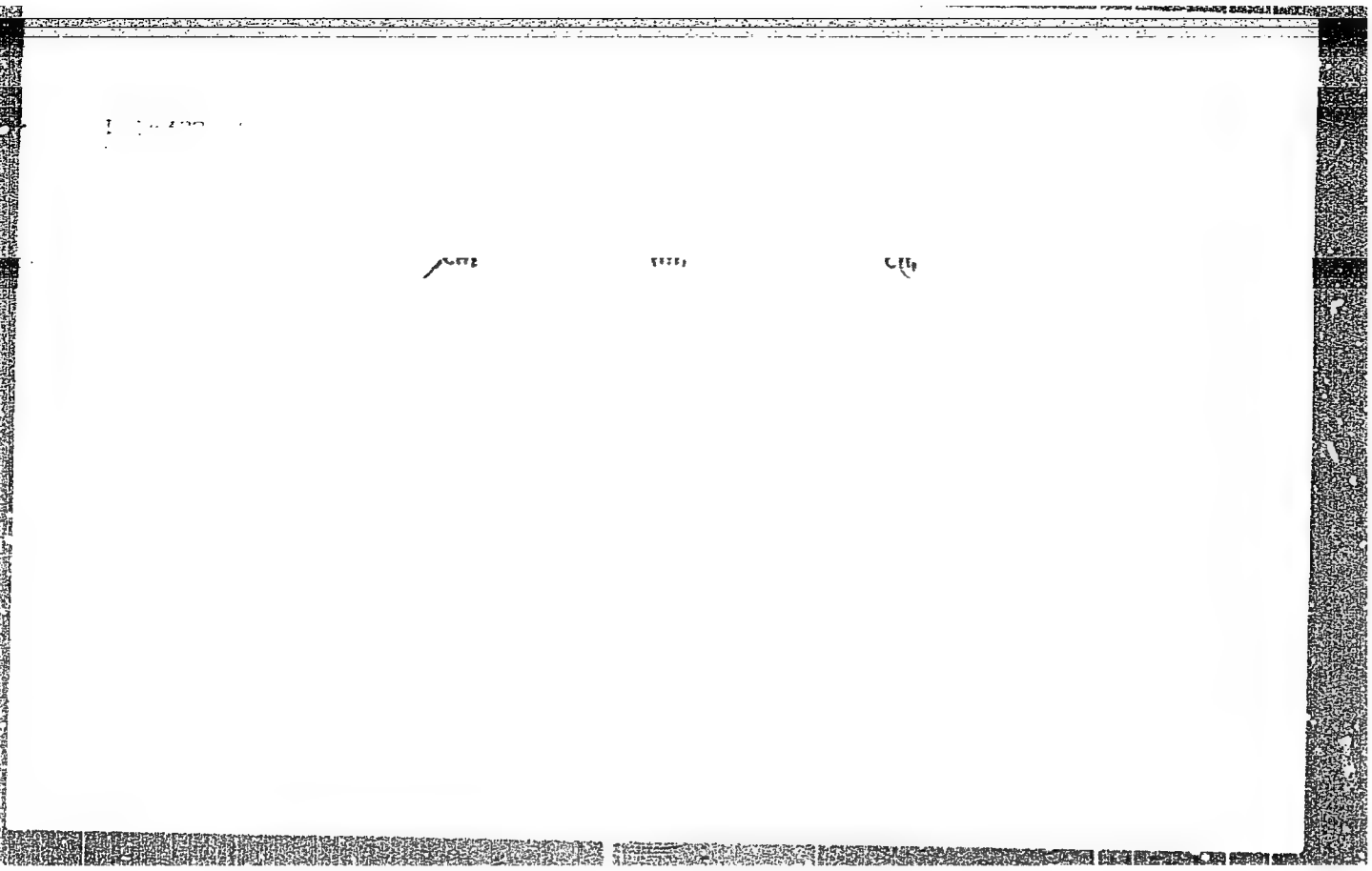
APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001858510008-5"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001858510008-5



APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001858510008-5"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001858510008-5



APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001858510008-5"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001858510008-5

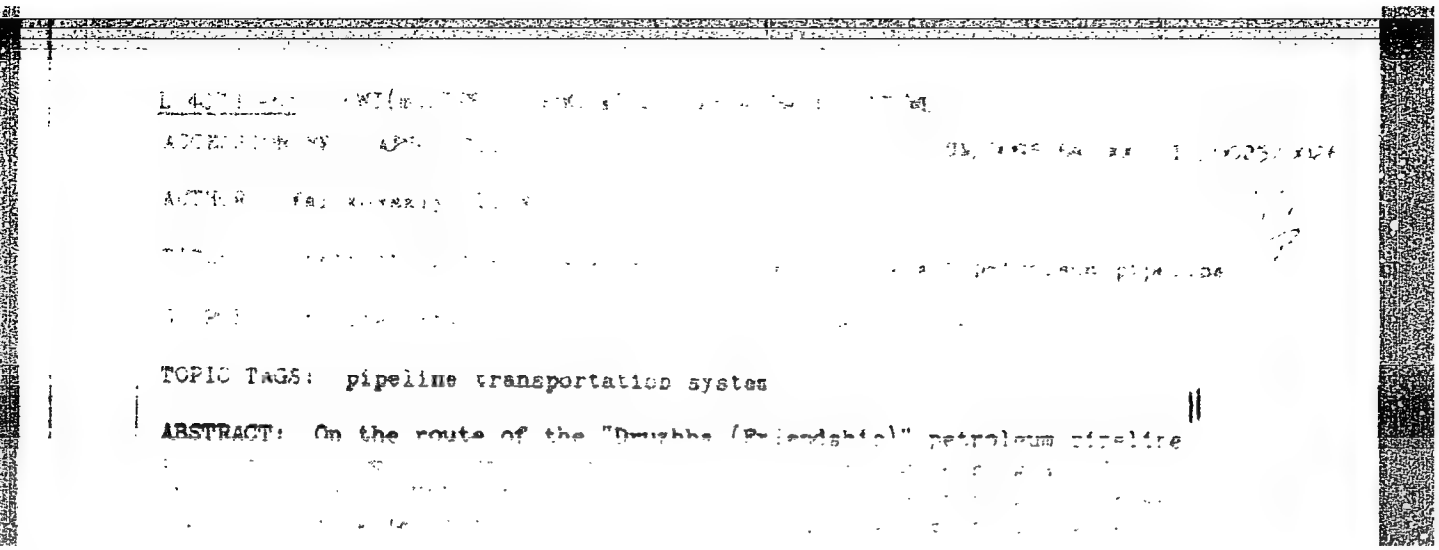
ZHELAVSKIY, V.F., inzh.; LYTVYNKO-KRAVCHENKO S.I., inzh.;
VAL'KOVSKIY, K.A., inzh.

Resistance welding in the manufacture of washing machines.
Svar. proizv. no.1:33-34 Ja '65. (MIRA 18:3)

1. Rizhskiy elektromashinostroitel'nyy zavod.

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001858510008-5"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001858510008-5

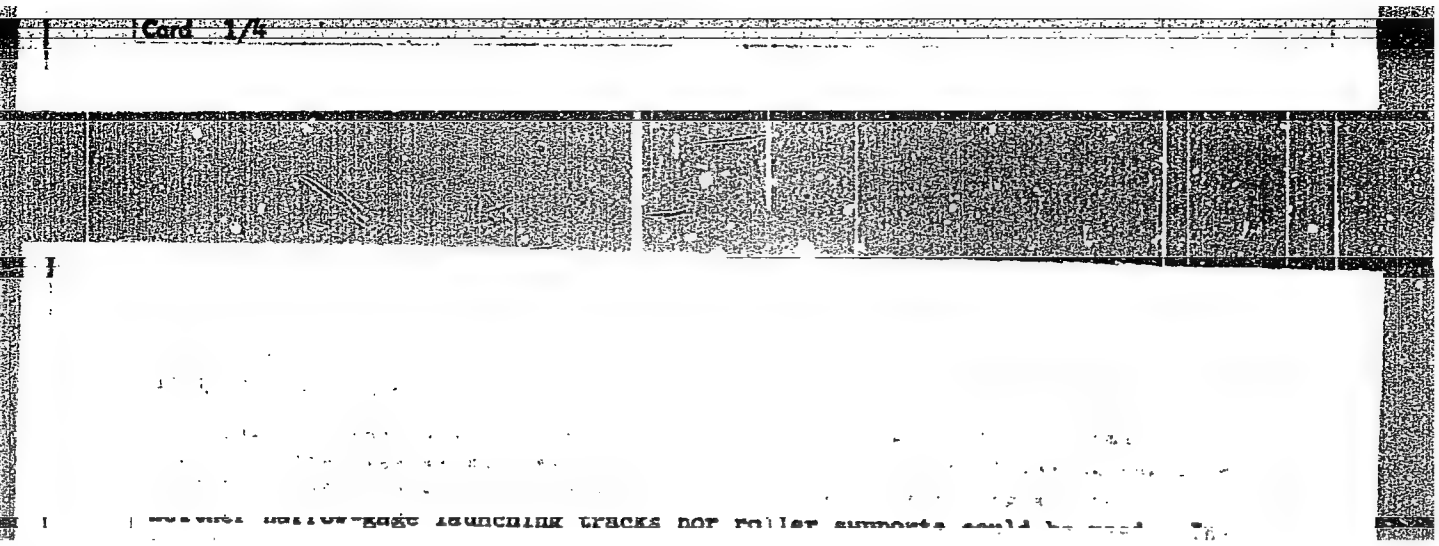


TOPIC TAGS: pipeline transportation system

ABSTRACT: On the route of the "Druzhba [Friendship]" petroleum pipeline

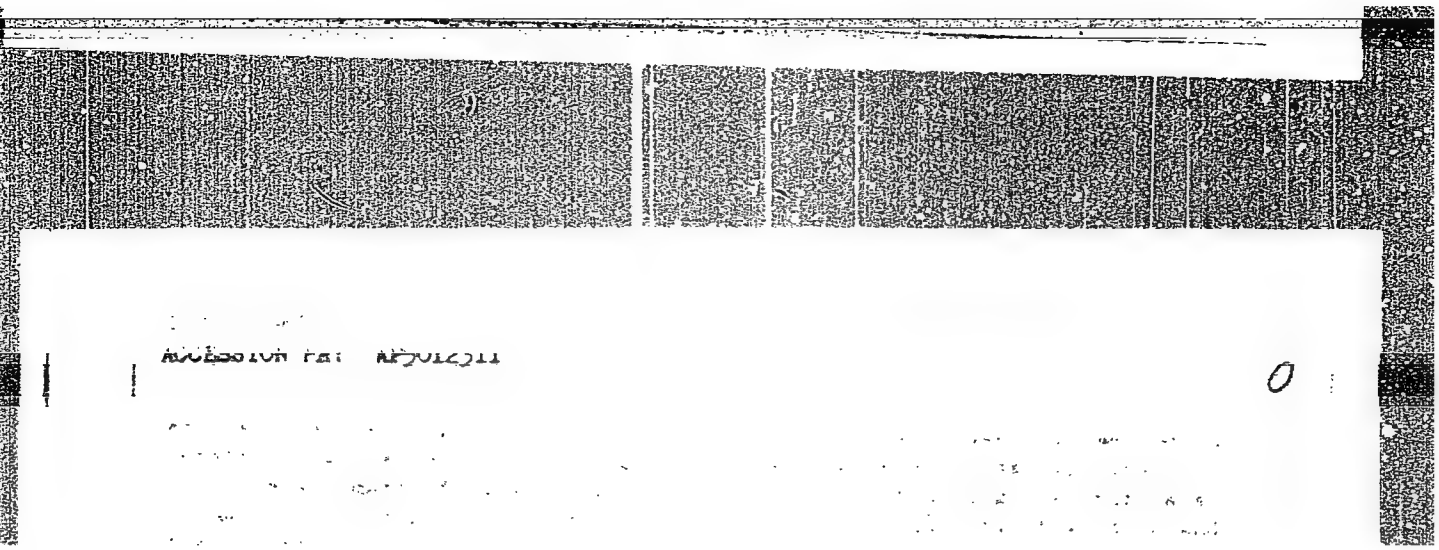
APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001858510008-5"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001858510008-5




APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001858510008-5"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001858510008-5

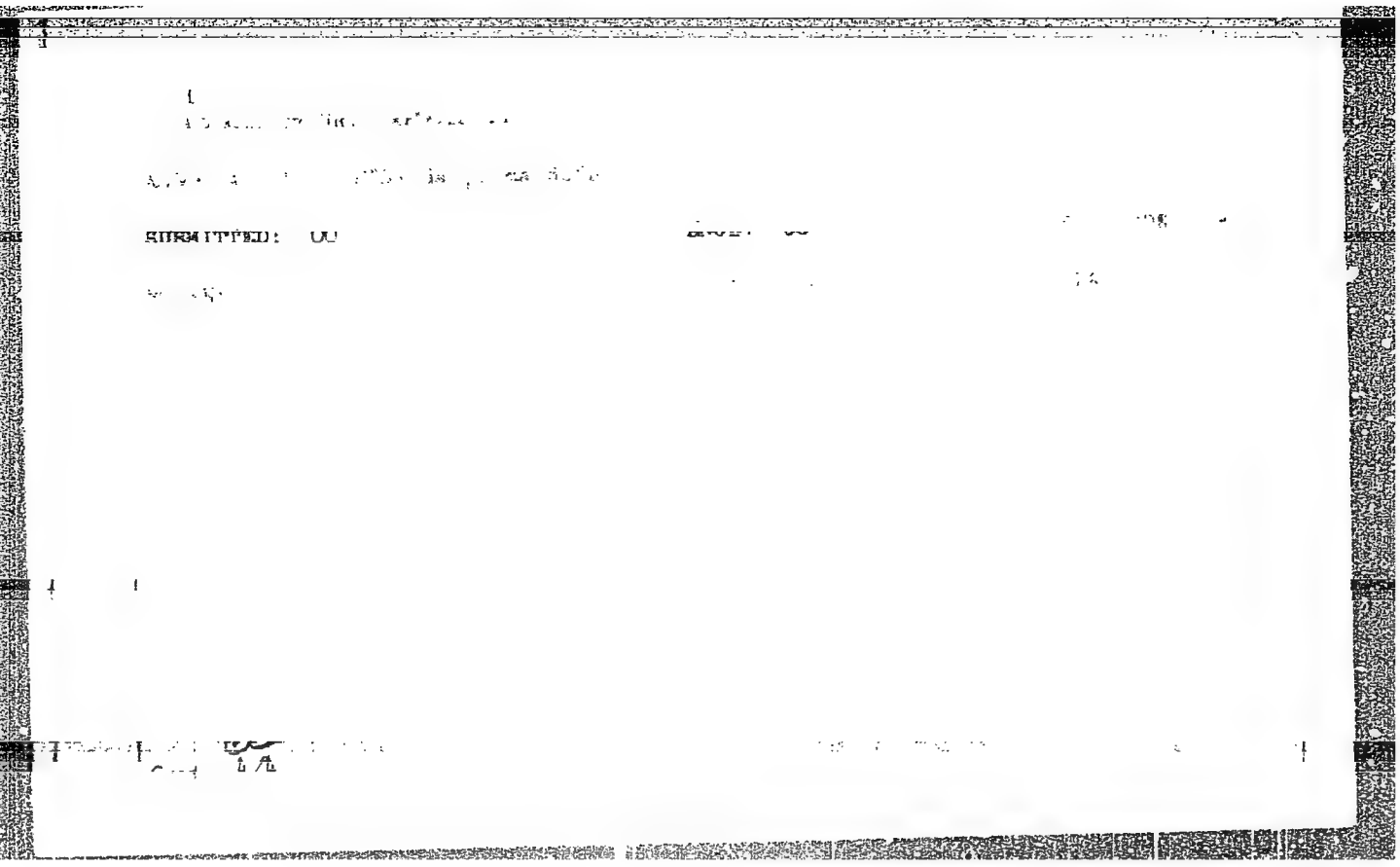


APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001858510008-5"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001858510008-5

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001858510008-5"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001858510008-5



APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001858510008-5"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001858510008-5

VAL'KOVSKIY, N.K.; CHIZHOV, P.Ye.; PASKONOV, N.I.

Pneumatic feeding of bulk materials to working areas using screw conveyers. Suggested by N.K.Val'kovskii, P.E.Chizhov, N.I.Paskonov. Rats.i izobr.predl.v stroi. no.11:40-42 '59. (MIRA 13:3)

1. Po materialam stroitel'nogo tresta No.25 Kuybyshevskogo sovnarkhoza.
(Conveying machinery) (Building materials—Transportation)
(Pneumatic tube transportation)

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001858510008-5"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001858510008-5

VALKOVSKY, J.

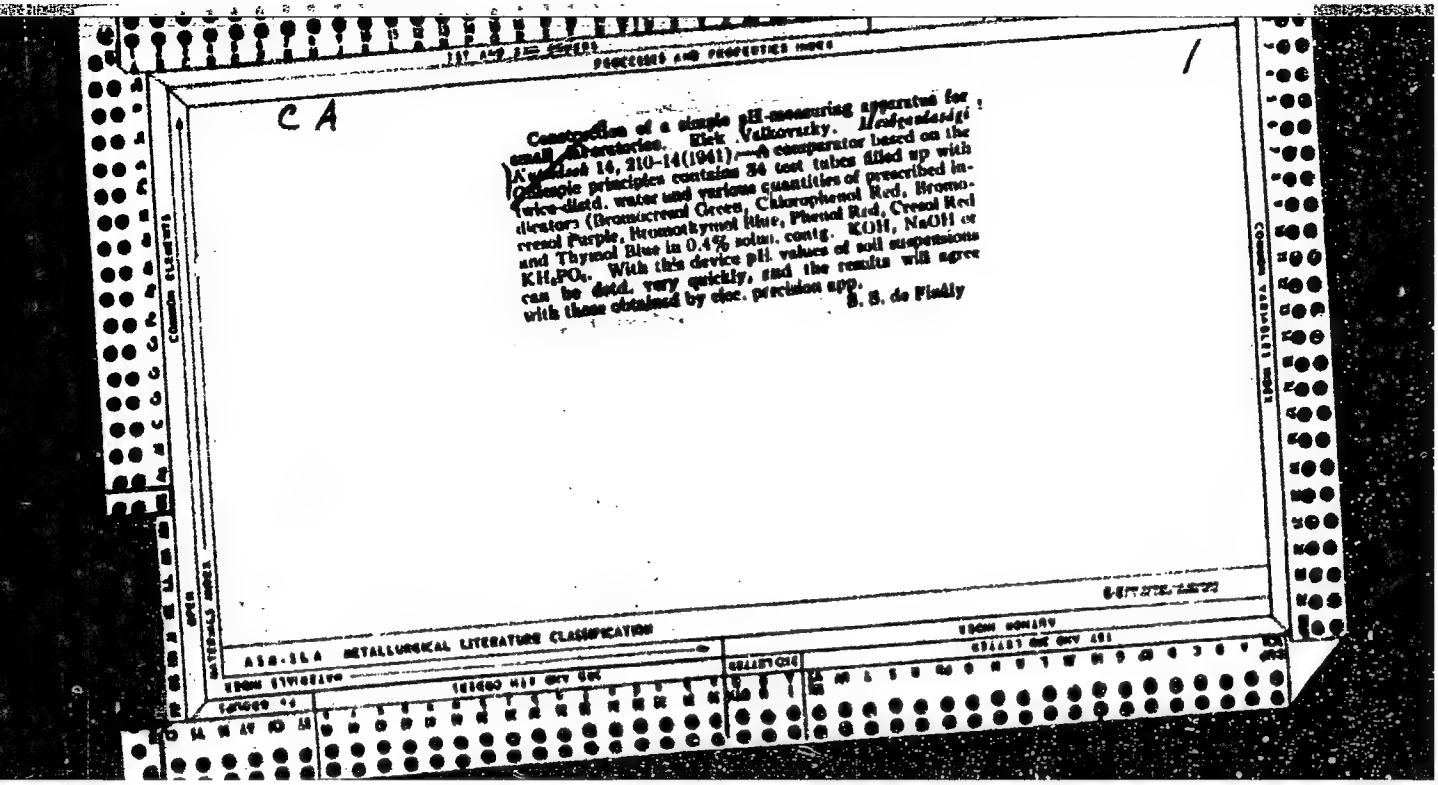
VALKOVSKY, J. First experience with preparation for training foremen. p. 66

Vol. 34, no. 2, Feb. 1956
STAVIVO
TECHNOLOGY
Praha, Czechoslovakia

So: East European Accession Vol. 6, no. 2, 1957

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001858510008-5"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001858510008-5



CA

Construction of a simple pH-measuring apparatus for small laboratories. Rick Valkovszky. *Mezőgazdasági Kutatások* 14, 210–14(1941).—A comparator based on the Gillespie principles contains 24 test tubes filled up with twice-dist. water and various quantities of prescribed indicators (Bromocresol Green, Chlorophenol Red, Bromocresol Purple, Bromothymol blue, Phenol Red, Cresol Red and Thymol Blue in 0.4% solns. contg. KOH, NaOH or $KH_2PO_4$. With this device pH values of soil suspensions can be detd. very quickly, and the results will agree with those obtained by elec. precision app.

S. S. de Finály

/

ASS-SLA METALLURGICAL LITERATURE CLASSIFICATION

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001858510008-5"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001858510008-5

HUNGARY/Chemical Technology - Chemical Products and Their Application. Carbohydrates and Their Processing. H.

Abs Jour : Ref Zhur - Khimiya, No 10, 1959, 36714

Author : Vavrinecz, G., Valkoyszky, E.
Inst : -
Title : A Statistical Investigation of Sugar Determination by Comparison.

Orig Pub : Cukoripar, 1958, 11, No 2, 27-31.

Abstract : A sugar determination by comparison was carried out by two individuals, each one of whom conducted calculations by two methods. On the average, the error of a subjective nature diverged less in the results, obtained by the same person, using different calculating methods. Even greater divergences are observed at the evaluation of the "utfel's" [Utfel - from the German Hut-Fuelle, a semi finished product obtained by boiling sugar syryp in a vacuum apparatus until a definite concentration of the

Card 1/2

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001858510008-5"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001858510008-5

HUNGARY/Chemical Technology - Chemical Products and Their Application. Carbohydrates and Their Processing. II.

Abs Jour : Ref Zhur - Khimiya, No 10, 1959, 36714

solid substance is reached. The German name is explained by the fact that originally this product was poured into cone-shaped molds./ quantity in vacuum apparatuses. In daily determinations of sugars by comparison, a part of the production is not taken into an account, which, however, is later on detected, and one may indicate the above-norm losses only at a deficit balance of several days' duration in succession. -- G. Yudkovich.

Card 2/2

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001858510008-5"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001858510008-5

VAVRINECZ, Gabor; VALKOVSZKY, Elek

Statistical analysis of the quantitative determination of floating sugar. Cukor 11 no.2:27-31 F'58

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001858510008-5"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001858510008-5

VALKOVSZKY, Elek, fovegyesz

Sugar juice purification experiences gained at the Selyp Sugar Factory. Cukor 12 no.6:162-165 Je '59.

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001858510008-5"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001858510008-5

VALKOVSZKY, Elek, fovegyesz

Quick method for determining the quantity of the retaken I. scum juice. Cukor 12 no.9:253-254 S '59.

1. Selypi Cukorgyar.

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001858510008-5"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001858510008-5

VOLOVICH, N.I.; POVOLOTSKIY, Ya.L.; SHEYNTSVIT, N.V.; RESHETAR, K.M.; VALKOVTSY, A.A.

Immunological indices in subjects coming in contact with persons vaccinated with live influenza vaccine. Vop. virus. 8 no.1:68-72 Ja-F'63. (MIRA 16:6)

1. Uzhgorodskiy institut epidemiologii, mikrobiologii i gigiyeny.

(INFLUENZA—PREVENTIVE INOCULATION) (IMMUNITY)

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001858510008-5"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001858510008-5

S/057/61/031/007/011/021
B104/B206

24.6730

AUTHORS: Didenko, A. N. and Vall, A. N.

TITLE: Use of the Kramers method for calculating the particle loss in cyclotrons due to the effect of scattering on betatron oscillations

PERIODICAL: Zhurnal tekhnicheskoy fiziki, v. 31, no. 7, 1961, 830-833

TEXT: The authors show that the Kramers method, developed for investigating the passage of Brown's particles through a potential barrier, is also suitable for the determination of the portion of lost particles which develops through scattering on betatron oscillations. Kramers method may be applied if the particle loss sets in as a consequence of stochastic forces affecting processes which differ in their physical nature provided that the focusing forces can be described by a potential function of finite height. Since the potential functions describing the phase oscillations in synchrotrons meet these requirements, there is no doubt as to the applicability of Kramers' method for calculating the particle loss caused by

Card 1/7

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001858510008-5"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001858510008-5



Use of the Kramers method for ...

energy losses. For the potential function of the betatron oscillations B. N. Rodimov (Trudy TPI, 87, 3, 1957) obtained expression

$$V_{MO}=\left(\sqrt{V_{MO}}+\frac{C}{r}\sqrt{\frac{e}{2mc^2}}\right)^2, \qquad (2)$$

which is correct for the nonrelativistic case. $C = \frac{cm}{e} r_0^2\theta_0 - r_0 A$ is the integration constant and $A_0$ the vector potential of the outer magnetic field. In addition, $V_{MO} = V_{MC}|_{C=0}$:

$$V_{MO}=\frac{\beta E^2}{2em_0c^2}\operatorname{ch}^2\left(\sqrt{n_0}\frac{z}{R_0}\right)\left[N_1'\left(\sqrt{n_0}\right)J_1\left(\sqrt{n_0}\frac{r}{R_0}\right)-\right.$$
$$\left.-J_1'\left(\sqrt{n_0}\right)N_1\left(\sqrt{n_0}\frac{r}{R_0}\right)\right]^2. \qquad (3)$$

Card 2/7

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001858510008-5"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001858510008-5



Use of the Kramers method for ...

holds. $J_1$ and $N_1$ are the Bessel- and Newman functions, E the particle energy, $R_o$ the equilibrium radius, $n_o$ the weakening coefficient of the magnetic field for $r = R_o$, $\beta = v/c$. For the relativistic case, P. A. Cherdantsev (Trudy TPI, 87, 48, 1957) found

$$V=\left[\frac{m_0^2c^4}{e^2}+\left(V_{M0}+\frac{C}{r}\right)^2\right]^{1/2}-\frac{m_0c^2}{e}, \quad (4),$$

where

$$V_{M0}=\frac{\beta E}{e}\left[N_1'\left(\sqrt{n_0}\right)J_1\left(\sqrt{n_0}\frac{r}{R_0}\right)-\right.$$
$$\left.-J_1'\left(\sqrt{n_0}\right)N_1\left(\sqrt{n_0}\frac{r}{R_0}\right)\right]\mathrm{ch}\left(\sqrt{n_0}\frac{z}{R_0}\right). \quad (5)$$

From an analysis of the stability range of the betatron oscillations it

Card 3/7

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001858510008-5"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001858510008-5



may be concluded that the Kramers method is applicable for the particle loss due to elastic scattering from the radial betatron oscillations, since the potential function of the betatron oscillations in radial direction has the form of the potential function of an anharmonic oscillator and, thus, a well defined height. With the formula $\frac{1}{N}\frac{dN}{dt} = -\eta\frac{\Delta U}{U_{exc}}\exp(-\Delta U/U_{exc})$ (6) the authors calculated the shares of the lost particles in the case of δ-shaped ($C = 0$) and uniform ($C \neq 0$) distribution of the particles over the chamber cross section. The calculations were made for various $\mu$ values; $\mu$ was calcualted by

$$\mu = 0.0609091\frac{(m_0c^2)^2}{E_{max.}}1.25\cdot 10^{-8}E_k \times \times\left(\frac{R}{2\sqrt{q}\,a_0}\right)^2 2\pi\frac{1}{\Delta E}. \quad (A)$$

Card 4/7

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001858510008-5"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001858510008-5



Use of the Kramers method for ...

$\eta = \dot{E} / E$ is the attenuation coefficient, $\Delta U/e = (V_{max} - V_{min})$ the height of the potential barrier, $U_{exc} = m\overline{x^2}/2$ the excitation energy, and $\overline{x^2}$ the square of the mean scattering of the radial velocity, which may be determined according to A. N. Matveyev (Doktorskaya dissertatsiya, MGU, 1959). Figs. 1 and 2 show the results graphically. The dashed lines were obtained according to Matveyev. From a comparison of the results it may be seen that the passage of particles does not exceed 5-10% in the practically important pressure range ($< 5 \cdot 10^{-5}$ mm Hg). The authors thank Professor Doctor A. A. Vorob'yev for his interest. There are 2 figures and 6 references: 4 Soviet-bloc and 2 non-Soviet-bloc.

ASSOCIATION: Nauchno-issledovatel'skiy institut yadernoy fiziki, elektroniki i avtomatiki pri Tomskom politekhnicheskom institute (Scientific Research Institute of Nuclear Physics, Electronics and Automation, Tomsk State Polytechnic Institute). Tomskiy gosudarstvennyy universitet (Tomsk State University)

SUBMITTED: October 19, 1960

Card 5/7

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001858510008-5"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001858510008-5

KOMAROV, V.F.; SAKHAROV, Ye.S.; VALL, G.A.

Problem of the unequal value of the energy state of water molecules in gypsum. Zhur. VKHO 7 no.6:692-694 '62. (MIRA 15:12)

1. Nauchno-issledovatel'skiy institut yadernoy fiziki, elektroniki i avtomatiki pri Tomskom politekhnicheskom institute imeni S.M. Kirova.

(Gypsum)
(Dehydration (Chemistry))

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001858510008-5"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001858510008-5

VALL, Laszlo, dr.

Lead colic. Orv. hetil. 95 no.28:750-754 11 July 54.

1. Az Orszagos Munkaegeszsegugyi Intezet (igazgato: Timar Miklos dr.) Klinikai Osztalyanak (osztalyvezeto:Rozsahegyi Istvan dr.) kozlemenye

(LEAD POISONING, manifestations
lead colic)

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001858510008-5"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001858510008-5

VALLAKH, V.Ya., arkhitektor

Lifting precast ceilings in erecting multistoried buildings. Nov.tekh.mont. i spets.rab. v stroi. 20 no.12:26-30 D '58. (MIRA 12:1)
(United States--Ceilings) (Precast concrete construction)

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001858510008-5"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001858510008-5

SHELOUMOV, V.V.; VALLANDER, B.V.

Qualitative characteristics of the sediments of tunnel furnaces for shale distillation. Khim. i tekh. gor. slan. i prod. ikh perer. no.9:99-106 '60. (MIRA 15:6)
(Oil-shale industry--Equipment and supplies)

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001858510008-5"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001858510008-5

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001858510008-5"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001858510008-5

VALLAS, K. R.

USSR /Chemical Technology. Chemical Products and Their Application I-15

Treatment of solid mineral fuels

Abs Jour: Referat Zhur - Khimiya, No 9, 1957, 31845

Author : Kyll' A.T., Usk I.A., Vallas K.R.

Title : Investigation of the Total Tarry Products and of Industrial Fractions of Operating Shale-Processing Installations

Orig Pub: Sb.: Goryuchiye slantsy. Khimiya i tekhnologiya, No 2, Tallin, Est. gos. izd-vo, 1956, 93-105

Abstract: Technical and physico-chemical indices are given, of the total tarry products and of the individual fractions produced at the industrial, shale-processing installations. Optimal limits of fraction cuts, are determined, in industrial distillation,

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001858510008-5

Card 1/2

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001858510008-5

USSR /Chemical Technology. Chemical Products and Their Application I-15

Treatment of solid mineral fuels

Abs Jour: Referat Zhur - Khimiya, No 9, 1957, 31845

on the basis of characteristics of distillates and distillation residues. Quality indices of fractions obtained on using different distillation processes permit to determine the advisability of carrying out atmospheric or vacuum distillation, in each specific instance. Curves are shown by means of which the corresponding drop-point temperature is determined for different amounts of residue.

Card 2/2

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001858510008-5"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001858510008-5

23-3-4/8

SUBJECT: USSR/Fuel, Shale Pitch

AUTHORS: Fayngold, S.I., Candidate of Technical Sciences, and Vallas, K.R.

TITLE: Some Data on Cracking Generator Pitch with Zinc Chloride (Nekotoryye dannyye o krekinge generatornoy smoly s khloristym tsinkom)

PERIODICAL: Izvestiya Akademii Nauk Estonskoy SSR, Seriya Tekhnicheskikh i Fiziko-Matematicheskikh Nauk, 1957, #3, pp 245-252 (USSR).

ABSTRACT: During the current 5-Year Plan, it is planned to increase the output of generator gas obtained from oil shale, which will also result in increased generator pitch output. Generator pitch has not as yet been used rationally and served mostly as fuel mazut.

Catalyzers and operational methods used for oil cracking cannot be applied for cracking of shale pitch. It is expedient to carry out the latter with such catalyzers which further hydrogen re-distribution and at the same time remove oxygen compounds without formation of water. Zinc chloride can serve as such a catalyzer. Therefore, the cracking process of shale pitch

Card 1/3

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001858510008-5"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001858510008-5



TITLE: Some Data on Cracking Generator Pitch with Zinc Chloride (Nekotoryye dannyye o krekinge generatornoy smoly s khloristym tsinkom)

with zinc chloride as a catalyzer was studied in detail.

The following conclusions were drawn from this investigation:

1. $ZnCl_2$ can be applied for production of light motor fuel out of shale pitch;
2. Cracking of shale pitch with $ZnCl_2$ begins at temperatures 230 to 250°C and proceeds intensively at temperatures above 400 to 425°C;
3. More than 30 % of gasoline is obtained from the fraction of generator pitch which boils away at temperatures below 325°; the quality of this gasoline exceeds that of shale gasoline purified with sulfuric acid;
4. Formation of water is not observed when cracking with zinc chloride. Re-distribution of hydrogen and aromatization of the products occurs.

The article contains 2 graphs and 6 tables. There are 18 references, 15 of which are Slavic.



APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001858510008-5"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001858510008-5

23-3-4/8

TITLE: Some Data on Cracking Generator Pitch with Zinc Chloride (Nekotoryye dannyye o krekinge generatornoy smoly s khloristym tsinkom)

ASSOCIATION: Institute of Chemistry of the Estonian Academy of Sciences

PRESENTED BY:

SUBMITTED: On 20 February 1957

AVAILABLE: At the Library of Congress.

Card 3/3

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001858510008-5"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001858510008-5

FAINGOLD, S., tehniliste teaduste kandidaat; VALLAS, K.R.

Extraction of carbohydrate groups from shale tar. Eesti tead.akad. tehn.fuus. 8 no.4:225-233 '59. (MEAI 9:5)

1. Eesti NSV Teaduste Akademiia, Keemia Institut.
(Shale) (Hydrocarbons) (Polymers and polymerization)
(Zinc chloride) (Aluminum chloride)

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001858510008-5"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001858510008-5

KACHNIC,M.; VALLASEK,I. ; SAK.M.

Experiences with the peroral treatment of superficial trichophytosis capitis (Trichophyton violaceum) with griseofulvin. Cesk. derm. 39 no.1:37-41 F'64.

1. Dermato-venerologicka katedra Lekarskej fakulty UPJS v Kosicach (veduci: doc.dr.E.Maly) a Kozne oddelenie OUNZ v Humennom (vedouci: MUDr. I.Vallasek).

*

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001858510008-5"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001858510008-5

L 32597-66 EWT(1) LJP(c)
ACC NR: AR5018674 SOURCE CODE: UR/0196/65/000/007/A008/A008

AUTHOR: Vallaste, E.V.; Yanes, Kh.I. 6 B

ORG: none

TITLE: Distribution of the magnetic field of a rectangular coil

SOURCE: Ref. zh. Elektrotekhnika i energetika, Abs. 7A58

REF SOURCE: Tr. Tallinsk. politekhn. in-ta, v. A, no. 214, 1964, 79-89

TOPIC TAGS: magnetic field, magnetic field measurement

TRANSLATION: A study was made of a magnetic field created in the air by a current flowing along an infinitely thin rectilinear conductor of finite length. Practical procedures are proposed for calculating magnetic induction in a fixed point, as well as straight along, parallel to, or crossing the conductor. The magnetic field of a rectangular circuit considered to be approximately coinciding with the magnetic field of the rectangular coil is also calculated. Illustrations 8, references 3. See also RZhE, 1965, 5K100. Yu. Iossel'.

SUB CODE: 09

Card 1/1 UDC: 621.318.38:539.122

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001858510008-5"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001858510008-5

L 08187-67 EWT(1) IJP(c)

ACC NR: AT6032910 SOURCE CODE: UR/2807/65/000/231/0057/0068

AUTHOR: Vallaste, E. V.; Yanes, Kh. I. 33 B+1

ORG: none

TITLE: The magnetic field of the three-phase winding of an induction channel

SOURCE: Tallinn. Politekhnicheskiy institut. Trudy. Seriya A, no. 231, 1965. Issledovaniye i proyektirovaniye elektromagnitnykh sredstv peremeshcheniya zhidkikh metallov (Investigation and design of electromagnetic means for the transfer of liquid metals); sbornik trudov, no. 3, 57-68

TOPIC TAGS: magnetic field, magnetic induction

ABSTRACT: The method of calculation is based on a previously published method for determining the field of a single-phase winding. Thus, the article starts with a mathematical development of the magnetic field of a single-phase winding. The results of the theoretical calculations are shown in a series of curves. The authors then pass on to the extension of the method to the three-phase case. The theoretical conclusions were checked by experiments on a three phase inductor with a two layer diametral winding. Experimental results, shown graphically, agree satisfactorily with theory. In addition, tests were carried out on the magnetic induction along the length of the magneto. It was found that, over three quarters of the length of the magneto the

UDC: 621.318.38

Card 1/2

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001858510008-5"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001858510008-5

L 08187-67

ACC NR: AT6032910 O

magnetic induction changes only slightly, and that it falls uniformly at both ends.
Orig. art. has: 8 formulas and 6 figures.

SUB CODE: 20/ SUBM DATE: none/ ORIG REF: 005

Card 2/2 dda

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001858510008-5"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001858510008-5

VALLAYNIS, A. Ya. In Latvian

VALLAYNIS, A. Ya. -- "Controlled Transformation of the Nature of Winter and Summer Wheat in Accordance with the Method of T. D. Lysenko Under the Conditions Prevailing in the Latvian SSR." Latvian Agricultural Academy, 1952. In Latvian (Dissertation for the Degree of Candidate of Agricultural Sciences)

SO: Izvestiya Ak. Nauk Latviyskoy SSR, No. 9, Sept., 1955

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001858510008-5"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001858510008-5

L 44454-66 EWT(d)/EWT(m)/EWP(c)/EWP(v)/EWP(t)/ETI/EWP(k) IJP(c) JD

ACC NR: AP6018260 (N) SOURCE CODE: UR/0133/66/000/002/0135/0139

AUTHORS: Medovar, B. I.; Bondarenko, O. P.; Klyuyev, M. M.; Antuan, L.; Zhallas, P.; Bushe, P.; Giber, Zh.; Valle, P. 39 B

ORG: [Medovar, Klyuyev, Bondarenko] Institute for Electrowelding im. Ye. O. Paton AN UkrSSR (Institut elektrosvarki AN UkrSSR)

TITLE: Experimental results obtained on the first electroslag furnace built in France according to a Soviet license

SOURCE: Stal'. no. 2, 1966, 135-139

TOPIC TAGS: steel alloy, steel industry, steel microstructure, steel impurity, austenitic steel

ABSTRACT: The performance of the first Soviet-built electroslag steel furnace in France is described. The performance of the furnace was tested on a number of alloy and austenitic steels. The chemical composition, the usual mechanical properties, microstructure, and the distribution of nonmetallic impurities in the steel ingots were determined. The experimental results are presented in graphs and tables (see Fig. 1). It is concluded from the experimental results that the furnace performance was highly satisfactory and that the electroslag method of steel smelting seems to be very promising indeed.

UDC: 669.187.26

Card 1/2

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001858510008-5"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001858510008-5

L 44454-65

ACC NR: AP6018260

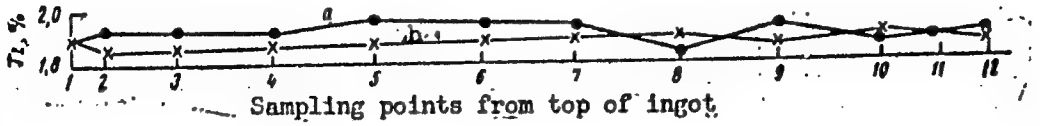



Fig. 1. Distribution of titanium in the ingot of steel G after electroslag smelting (refining) (EShP). a - specimens at 5 mm from edge; b - at 40 mm; height of ingot 1000 mm, cross section at bottom 200 x 200, at 160 x 160 mm; 1 - about 50 mm from top; 12 - about 50 mm from bottom.

Orig. art. has: 3 tables and 7 graphs.

SUB CODE: 11/ SUBM DATE: none

Card 2/2

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001858510008-5"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001858510008-5

VALLANDER, S.V.

VALLANDER, S. V.

Samoletovozhdenie v dlitel'nom polete nad morem. (Morskoi sbornik, 1946, no.2, p.76-85)
Title tr.: Aerial navigation in long-distance flying over the sea.

V5.M8 1946

SO: Aeronautical Sciences and Aviation in the Soviet Union, Library of Congress, 1955.

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001858510008-5"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001858510008-5

VALLANDER, S.V.; YEGOROVA, I.A.; RYDALEVSKAYA, M.A.

Equilibrium statistical distributions of gases differing in Boltzmann's distribution. Vest. LGU 19 no.19:110-113 '64.
(MIRA 17:11)

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001858510008-5"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001858510008-5

VALLANDER, S. V.

USSR/Physics - Hydrodynamics, Viscous Gas 1 May 51

"Equations of Motion of a Viscous Gas," S. V. Vallander, Sci Res Inst of Math and Mech, Leningrad State U imeni Zhdanov

"Dok. Ak Nauk SSSR" Vol LXXVIII, No 1, pp 25-27

Expounds briefly his derivation of the differential eqs describing the motion of a viscous gas. Concludes from his derivation that the presently employed eqs of motion are derived from insufficiently complete phys representations and must be replaced by the eqs obtained by the author. Submitted by Acad V. I. Smirnov 18 Jan 51.

217T89

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001858510008-5"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001858510008-5

OTSPL, No. 45

Vallander, S.V. and Elovskikh, M.P. (Scientific Research Institute of Mathematics and Mechanics, A.A. Zhdanov Leningrad State University), The theoretical temperature dependence of coefficients of heat conductivity of gases, 37-40

Akademiya Nauk, S.S.S.R., Doklady, vol. 79, no. 1, 1951

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001858510008-5"